

21st "International Conference on Virus and other Graft Transmissible Diseases of Fruit Crops"

in Germany 2009, 5 - 10. July

<http://www.phytomedizin.org/icvf.html>

PROGRAM

5. July 2009	Sunday
18:30 – 19:30	Registration at Conference Centre / Saalbau
19:30	Reception at Conference Centre / Saalbau
6. July 2009	Monday
8:30 – 9:30	Registration and Poster Setup
9:30 – 10:30	Opening Session
	Conveners:
	Gabi Krczal & Wilhelm Jelkmann
	Georg F. Backhaus, President of Julius Kühn Institute, Federal Research Centre for Cultivated Plants and representing the German Phytomedical Society
	Hans Georg Löffler, Major of Neustadt

	Invited Speakers
10:30 – 11:15	New drugs for acute and chronic Hepatitis B Virus (HBV) Infection: from HBV-entry inhibition to liver-specific drug targetting Stephan Urban, Department of Molecular Virology, Im Neuenheimer Feld 350, University of Heidelberg, 69120 Heidelberg, Germany
11:15 – 11:45	<i>Break</i>
11:45 – 12:30	Next Generation Sequencing offers new perspectives in Comparative Genomics of plant associated Bacteria Michael Kube, Max Planck Institute for Molecular Genetics, Ihnestr. 63, 14195 Berlin, Germany
12:30 – 13:30	<i>Lunch</i>
13:30 – 14:15	Siegfried Englert, State Secretary of Ministry for Economics, Transport, Agriculture and Viticulture, Rheinland-Pfalz
	ORAL SESSION I
	Viruses & Phytoplasmas in Small Fruit Crops in Association with COST 863 Chair: S. MacFarlane & R.R. Martin
14:15 – 14:30	Elucidation of the roles of blackcurrant reversion virus and phytoplasma in the etiology of full blossom disease in currants Spak Josef, Kubelkova Darina, Pribylova Jaroslava, Spakova Vlastimila, Petrzik Karel Biology Centre v.v.i., Institute of Plant Molecular Biology, Academy of Sciences
14:30 – 14:45	Association of Tomato ringspot virus, Tobacco ringspot virus and <i>Xiphinema americanum</i> with a decline of highbush blueberry in New York Fuchs, Marc Cornell University, Department of Plant Pathology, 630 W. North Street, Geneva, NY 14456, USA
14:45 – 15:00	A new member of the family Reoviridae may contribute to severe crumbly fruit in 'Meeker' red raspberry Quito, Diego ¹ , Jelkmann, Wilhelm ² , Alt, Simone ² , Leible, Svenja ² , Martin, Robert, R. ³ ¹ Dept. of Botany and Plant Pathology, Oregon State University, Corvallis, OR 97330 USA ² Julius Kühn-Institute, Institute for Plant Protection in Fruit Crops and Grapevine, Dossenheim, Germany ³ USDA-ARS HCRL, 3420 NW Orchard Ave., Corvallis, OR 97330 USA
15:00 – 15:15	Biology of <i>Cixius wagneri</i> the planthopper vector of '<i>Candidatus</i>

	<p>Phlomobacter fragariae' in strawberry production tunnel, and its consequence on the epidemiology of strawberry marginal chlorosis Salar Pascal UMR-1090, INRA et Université de Bordeaux 2, BP81, F-33883, Villenave d Ornon, France</p>
15:15 – 15:30	<p>Production of antisera and evaluation of serology-based techniques for the detection of Blackcurrant reversion virus James, Delano¹, Croft, Heather¹, Malinowski, Tadeusz², Reed, Christopher¹ ¹Sidney Laboratory, CFIA, 8801 East Saanich Road, Sidney, BC, V8L 1H3 ²Research Institute of Pomology and Floriculture, Pomologiczna 18, 96-100 Skierniewice, Poland</p>
15:30 – 15:45	<p>Molecular diagnostics for the detection of strawberry viruses in Australia F.E. Constable¹, C. Bottcher¹, G. Kelly¹, M. Milinkovic¹, D.M. Persely², B.C. Rodoni¹ ¹Department of Primary Industries, Knoxfield, Private Bag 15 Ferntree Gully Delivery Centre, Victoria 3156, Australia ²Department of Primary Industries and Fisheries, 80 Meiers Rd, Indooroopilly 4068, Queensland, Australia</p>
15:45 – 16:15	<i>Break</i>
16:15 – 16:30	<p>Detection of phloem restricted bacteria responsible of strawberry marginal chlorosis (SMC) by realtime PCR in a single assay Fimbeau Sébastien Hortis Aquitaine, Maison Jeannette, F-24140, Douville, France</p>
16:30 – 16:45	<p>Sequencing studies for the identification and characterization of new and old Rubus viruses Stuart MacFarlane, Wendy McGavin Plant Pathology Programme, SCRI, Invergowrie, Dundee DD2 5DA, Scotland</p>
16:45 – 17:05	<p>Emerging strawberry virus and virus-like diseases in the world I. Tzanetakis, Univ. Arkansas, USA.</p>
17:05 – 17:25	<p>Viruses and virus-like diseases in blueberry R. Martin, USDA, Corvallis, USA.</p>
17:25 – 17:45	<p>Viruses and virus-like diseases in European Ribes J. Špak, D. Kubelková, J. Příbylová, V. Špaková, K. Petrzik Biology Centre, Branišovská 31, 370 05 České Budějovice, Czech Republic</p>
17:45 – 18:15	<i>Break</i>
18:15 – 19:45	<p>COST 863 Small Group Meeting (SGM)</p> <p>Emerging virus and virus-like diseases in berryfruits in Europe and outside of Europe Chair: J. Spak</p>

7. July 2009	Tuesday
Departure 8:30	<p>Full Day Scientific Excursion</p> <p>Buses leave at Conference Centre / Saalbau</p> <ol style="list-style-type: none"> 1. Fruit growing trials of state owned research and education facility for fruit crops and grapevine of Baden-Württemberg, LVWO Weinsberg (Heuchlingen) <p style="text-align: center;"><i>Lunch</i></p> <ol style="list-style-type: none"> 2. Certified propagation stock for tree fruit crops operated by Reiserschnittgarten Weinsberg GmbH 3. Woody indexing demonstration trials of LTZ Stuttgart <p style="text-align: center;"><i>Visit of the Castle of Heidelberg</i></p> <p style="text-align: center;">Return to Neustadt (different departure times of buses)</p>
8. July 2009	Wednesday
<p>8:30 – 8:45</p> <p>8:45 – 9:00</p> <p>9:00 – 9:15</p> <p>9:15 – 9:30</p>	<p style="text-align: center;">ORAL SESSION II</p> <p>Certification and Virus Elimination Chair: G. Jongedijk & S. Paunovic</p> <p>Disease detection in quality systems for production of nursery stock Meekes, Ellis¹, Bakker, Daniël¹, Konings, Hans¹, Toonen, Marcel¹, Jongedijk, Gerard² ¹Naktuinbouw, P.O. Box 40, 2370 AA Roelofarendsveen, The Netherlands ²Propagation Nuseries, Tienrayseweg 9a, 5961 NK Horst, The Netherlands</p> <p>Introduction of a certification program in a production of a plum planting material Jevremović, Darko, Paunović, Svetlana Fruit Research Institute, Kralja Petra I 9, Čačak, Serbia</p> <p>Susceptibility of a range of hazelnut cultivars to apple mosaic ilarvirus Gentit Pascal, Brans Yoann, Ramat Charlotte Ctifl BP21 Lanxade 24130 LA force, France</p> <p>Confirmation of the elimination of Apple stem grooving virus from apple trees by <i>in vitro</i> chemotherapy James, Delano Sidney laboratory, CFIA, 8801 East Saanich Road, Sidney, BC, V8L 1H3, Canada</p>

9:30 – 9:45	<p>Detection of four pome fruit viruses by ELISA and RT-PCR and cluster analyses of Apple chlorotic leafspot virus (ACLSV) in apple and pear at the canadian clonal genebank Wang, Liping¹, Michelutti, Roberto¹, Wang, Guoping², Hong, Ni², Matic, Slavica³, Myrta, Arben⁴ ¹Greenhouse and Processing Crops Research Centre, Agriculture and Agri-Food Canada (AAFC), 2585 County Road 20, Harrow, Ontario, N0R 1G0, Canada ²National Indoor Conservation Center for Virus-free Germplasm of Fruit Crops ³Plant Virology Group, ICGEB, Biosafety Outstation Ca'Tron, Via Piovega 23, 31050 Ca'Tron di Roncade (TV), Italy ⁴Certis Europe, Via A. Guaragna, 3 21047 Saronno (VA) Italy</p>
9:45 – 10:00	<p>Effects of thermotherapy temperatures on the growth of in vitro-cultured pear plants and the elimination of three viruses Hong Ni, Wang Guoping, Tan Rongrong, Wang Liping College of Plant Science and Technology, Huazhong Agricultural University, China</p>
10:00 – 10:15	<p>A one-step reverse transcription-polymerase chain reaction-based detection of olive trees viruses in Egypt Sahar A. Youssef¹, Moawed, S.M², El-Sayed, M.3, A. A. Shalaby¹ ¹Plant Pathology Res. Inst., ARC, Giza, Egypt ²General Administration of Seed Test and Certification (CASC), Giza, Egypt. ³Horticulture Res. Inst., ARC, Giza, Egypt</p>
10:15 – 10:45	<p style="text-align: center;"><i>Break</i></p> <p style="text-align: center;">ORAL SESSION III</p>
10:45 – 11:00	<p>Detection Chair: T. Candresse & F. Di Serio</p>
10:45 – 11:00	<p>The microarray detecting six fruit-tree viruses LENZ, Ondrej, PETRZIK, Karel, SPAK, Josef Biology Centre ASCR, v.v.i., Institute of Plant Molecular Biology</p>
11:00 – 11:15	<p>Validation of a microarrays protocol for detection and genotyping of PPV reference samples Pasquini Graziella CRA-PAV Centro di Ricerca per la Patologia Vegetale via C.G. Bertero, 22 00156 Rome, Italy</p>
11:15 – 11:30	<p>Real Time PCR quantitative analysis of plant viruses in stone fruit trees tissues Jana Jarosova, Jiban Kumar Kundu Department of Virology, Crop Research Institute, Prague, Drnovska 507, 16106 Czech Republic</p>

11:30 – 11:45	<p>Simultaneous detection of the main stone fruit viruses and viroids by non-isotopic molecular hybridization polyprobe Sánchez-Navarro, Jesús¹, De la Torre, Rodolfo², Pallás, Vicente¹ ¹Instituto de Biología Molecular y Celular de plantas, Universidad Politécnica de Valencia-CSIC, Avenida de los naranjos s/n, 46022 Valencia, Spain ²FES-IZTACALA-UNAM. Unidad de Biotecnología y prototipos (UBIPRO). Avenida De los Barrios 1, Los Reyes Iztacala, Tlalnepantla, Mexico. 54090</p>
11:45 – 12:00	<p>Detection of cherry leafroll virus, prune dwarf virus and Prunus necrotic leafroll virus in Prunus pollen Horner, Mary¹, van den Brink, Roy², Hough, Ellena¹, Eastwell, Kenneth³, Howell, William³ ¹Plant and Food Research, Hawke's Bay, Private Bag 1401 Havelock North, New Zealand ²Plant and Food Research, Palmerston North, Private Bag 11600 Palmerston North New Zealand. ³Washington State University- IAREC, Prosser 99350</p>
12:00 – 12:15	<p>Reverse transcription loop-mediated isothermal amplification (RT-LAMP): A novel method for the detection of Peach latent mosaic viroid (PLMVd) I.N. Boubourakas¹ F. Faggioli², Â M. Barba², S. Fukuta³ and P.E. Kyriakopoulou¹ ¹Agricultural University of Athens, Department of Plant Production Science, Plant Pathology Laboratory, 11855 Athens, Greece ²CRA – Centro di Ricerca per laÂ Patologia Vegetale, Via C.G. Bertero, 22 – 00156 Rome, Italy ³Biotechnology Group, Aichi Agricultural Research Center, 1-1 Sagamine, Yazako, Nagakute, 480-1193 Aichi, Japan</p>
12:15 – 12:30	<p>Sensitive detection and strain discrimination of plum pox virus using RT-Real Time PCR – Fret Method Malinowski, Tadeusz Research Institute of Pomology and Floriculture, Pomologiczna 18, 96-100 Skierniewice, Poland</p>
12:30 – 13:45	<p>Application of scanning electron microscopy for diagnosis of phytoplasmas in single and mixed infections in papaya Vladimir Lebsky¹, Arevik Poghosyan², Laura Silva-Rosales³ ¹Centro de Investigaciones Biologicas del Noroeste (CIBNOR), Mar Bermejo 195, Col.Playa Palo de Sante Rita, A.P.128, La Paz, BCS, 23090, Mexico ²Centro de Investigaciones Biologicas del Noroeste (CIBNOR), Mar Bermejo 195, Col.Playa Palo de Sante Rita, A.P.128, La Paz, BCS, 23090, Mexico ³Cinvestav -IPN, Campus Guanajuato, Km. 9.6 Lib. Nte. Carr. Irapuato-León, Irapuato, Gto. 36500, Mexico</p>
12:45 – 14:00	<p><i>Lunch</i></p>

ORAL SESSION IV

Virus Characterization

Chair: D. James & Y. Tzanetakis

14:00 – 14:15

New viruses identified in fig trees exhibiting fig mosaic disease

Tzanetakis, Ioannis¹, Martin, Robert²

¹University of Arkansas, Dept. of Plant Pathology

²USDA-ARS, Corvallis, OR

14:15 – 14:30

Fig latent virus 1, a new putative member of the family flexiviridae

Gattoni, Giuliano¹, Minafra, Angelantonio¹, Castellano, Maria Antonietta¹, De Stradis, Angelo¹, Boscia, Donato¹, Elbeaino, Toufic², Digiario, Michele², Martelli, Giovanni Paolo¹

¹Dipartimento di Protezione delle Piante e Microbiologia Applicata, Università degli Studi and Istituto di Virologia Vegetale del CNR, Unità Organica di Bari, Via Amendola 165/A, 70126 Bari, Italy

²Istituto Agronomico Mediterraneo, Via Ceglie 9, 70010 Valenzano, Bari, Italy

14:30 – 14:45

Molecular characterisation of viruses from kiwifruit

Michael Pearson¹, Daniel Cohen², Ramesh Chavan¹, Arnaud Bluin²

¹School of Biological Sciences, The University of Auckland, Private Bag 92019, Auckland, New Zealand.

²The New Zealand Institute of Plant and Food Research Ltd., Auckland, New Zealand

14:45 – 15:00

Towards the elucidation of the taxonomic position of Prunus-infecting viral agents belonging to the Foveavirus genus and their relationship with Apple stem pitting virus

Marais, Armelle¹, Youssef, Fater¹, Faure, Chantal¹, Barone, Maria², Maliogka, Varvara³, Katis, Nikos³, Foissac, Xavier¹, Gentit, Pascal⁴, Candresse, Thierry¹

¹UMR GD2P, IBVM, INRA, Université Bordeaux 2, BP81, 33883 Villenave d'Ornon Cedex, France

²Facolta di Agraria, Università di Napoli "Federico II" 80055 Portici (NA), Italy, ³Faculty of Agriculture, Aristotle University of Thessaloniki, 541 24 Thessaloniki, Greece, ⁴Ctifl, Centre de Lanxade, 24130 La Force, France

ORAL SESSION V

Viroids

Chair: R. Flores & F. Faggioli

15:00 - 15:15

Peach latent mosaic viroid: further dissection of the molecular determinant inducing peach calico disease

Navarro Beatriz¹, Delgado Sonia², Rodio Maria Elena¹, Flores Ricardo², Di Serio Francesco¹

¹Consiglio Nazionale delle Ricerche, Istituto di Virologia Vegetale, 70126 Bari, Italy,

²Instituto de Biología Molecular y Celular de Plantas (UPV-CSIC), Universidad Politécnica de Valencia, 46022 Valencia, Spain.

15:15 – 15:30	<p>Towards dissecting the structural determinant of peach latent mosaic viroid inducing mosaic symptoms Delgado, Sonia¹, Navarro, Beatriz², Gentit, Pascal³, Di Serio, Francesco², Flores, Ricardo¹ ¹Instituto de Biología Molecular y Celular de Plantas (UPV-CSIC), Universidad Politécnica de Valencia, 46022 Valencia ²Istituto di Virologia Vegetale del CNR, 70126 Bari, Italy ³Centre Technique Interprofessionnel de Fruits et Légumes de Lanxade, 24130 Prignonrieux, France</p>
15:30 – 16:00	<i>Break</i>
16:00 – 16 :15	<p>Deep sequencing of the viroid-derived small RNAs accumulating in peach infected by two symptomatic variants of peach latent mosaic viroid Di Serio, Francesco¹, Giesel, Andreas², Navarro, Beatriz¹, Delgado, Sonia³, Martínez de Alba, Angel-Emilio³, Donvito, Giacinto⁴, Flores, Ricardo³ ¹Istituto di Virologia Vegetale del CNR, 70126 Bari, Italy ²Istituto di Tecnologie Biomediche del CNR ³Instituto de Biología Molecular y Celular de Plantas (UPV-CSIC) ⁴Istituto di Nazionale di Fisica Nucleare, 70126 Bari, Italy</p>
16:15 – 16:30	<p>Molecular characterization and variability analysis of Apple scar skin viroid Walia Yashika, Kumar Yogesh, Rana Tanuja, Hallan Vipin, Ram Raja, Zaidi A. A Plant Virology Lab, Institute of Himalayan Bioresource Technology, CSIR, Palampur, 176061, Himachal Pradesh, India</p>
16:30 – 16:45	<p>The molecular characterization of hop stunt viroid isolates associated to dapple fruit and fruit rugosity in plum seedlings suggests a possible role of the breeding in viroid dissemination Luigi Marta¹, Faggioli Francesco¹, Barba Marina¹, Giunchedi Luciano² ¹CRA-Centro di Ricerca per la Patologia Vegetale, 00156 Rome, Italy, ²Dipartimento di Scienze e Tecnologie Agroambientali - Università di Bologna</p>
16:45 – 17:00	<p>Two novel variants of hop stunt viroid associated with yellow corky vein disease of sweet orange and split bark disorder of sweet lime in Iran Seyed Ali Akbar Bagherian, K. Izadpanah College of Agriculture, Shiraz Univ., Shiraz, Iran</p>
	<i>Gala Dinner at Castle of Schwetzingen</i>
Departure 18:00	Buses leave at Conference Centre / Saalbau

9. July 2009	Thursday
	<p style="text-align: center;">ORAL SESSION VI</p> <p>Pome and Stone Fruit Viruses Chair: W. Jelkmann & V. Pallas</p> <p>08:30 – 8:45 Infectious uncloned full-length cDNAs as a tool for the study of the etiology of fruit tree viral diseases Youssef, Fater, Marais, Armelle, Faure, Chantal, Candresse, Thierry UMR GDPP, IBVM, INRA, Université Bordeaux², BP 81, 33883 Villenave d'Ornon Cedex, France</p> <p>08:45 – 09:00 Expression of the coat protein genes of PNRSV and PDV in the synergistic disease peach stunt BT Kim¹, PG Gibson², SW Scott³ ¹Genetics & Biochemistry, Clemson University, Clemson, SC 29634, USA ²Gwinnett Technical College, Bioscience, Lawrenceville, GA 30043, USA ³Entomology, Soils & Plant Sciences, Clemson University, Clemson, SC 29634, USA</p> <p>09:00 – 09:15 Investigations on virus occurrence in different tissues throughout the year and sequence variability of Apple stem pitting virus Arntjen, Anja, Jelkmann, Wilhelm Julius Kühn Institute, Institute for Plant Protection in Fruit Crops and Viticulture, Schwabenheimer Str. 101, 69221 Dossenheim, Germany</p> <p>9:15 – 9:30 Close similarities between cherry chlorotic rusty spot disease from Italy and cherry leaf scorch from Spain Barone M.1, Covelli L.2, Di Serio F.3, Garcia Becedas M.T.4, Ragozzino A.1, Alioto D.1 ¹Dipartimento di Arboricoltura, Botanica e Patologia Vegetale, Università di Napoli, 80055 Portici, ITALY ²Instituto de Biología Molecular y Celular de Plantas (UPV-CSIC), Universidad Politécnica de Valencia, 46022 Valencia, SPAIN ³Dipartimento di Protezione delle Piante e Microbiologia Applicata, Università di Bari and Centro di Studio del CNR sui Virus e le Virosi delle Colture Mediterranee, 70126 Bari, ITALY ⁴Junta de Extremadura, Servicio de sanidad vegetal, 10600 Plasencia, Spain</p> <p>9:30 – 9:45 Vertical transmission of Prunus necrotic ringspot virus: hitch-hiking from gametes to seedling Amari, Khalid¹, Burgos, Lorenzo¹, Pallas, Vicente², Sanchez-Pina, M. Amelia¹ ¹Dpto. de Biología del Estrés y Patología Vegetal. CEBAS-CSIC. Campus Universitario de Espinardo. P.O. Box 164. 30010 Espinardo-Murcia. Spain ²Instituto de Biología Celular y Molecular de Plantas. UPV-CSIC. Avda. de los Naranjos s/n. 46022 Valencia, Spain</p>

9:45 – 10:00	<p>Molecular characterization of a new Prunus-infecting Flexiviridae member Marais, Armelle¹, Faure, Chantal¹, Gentit, Pascal², Foissac, Xavier¹, Candresse, Thierry¹ ¹UMR GD2P, IBVM, INRA, Université Bordeaux2, BP81, 33883 Villenaved'Ornon Cedex, France ²Ctifl, Centre de Lanxade, 24130 La Force, France</p>
10:00 -10:15	<p>Widespread occurrence of Tomato ring spot virus in deciduous fruit trees in Iran A. A. Moini¹, V. Roumi², M. Masoumi², K. Izadpanah² ¹Plant Protection Research Institute, Tehran, Iran ²Plant Virology Research Center, Shiraz Univ., Shiraz, Iran</p>
10:15 – 10:45	<p><i>Break</i></p>
10:45 – 11:00	<p>Virus diseases of stone fruit trees in Belarus Kukharchyk Natalia, Semenas Svetlana Institute for fruit growing, Kovaleva Street 2, Samokhvalovichy, Minsk Region, 223013 Republic of Belarus</p>
11:00 – 11:15	<p>Detection, monitoring and characterization of LChV-1 isolates from Southern Italy Slavica Matic¹, Angelantonio Minafra², Jesús A. Sánchez-Navarro³, Vicente Pallás³, Arben Myrta⁴, Giovanni P. Martelli² ¹Plant Virology Group, ICGEB Biosafety Outstation, Via Piovega 23, 31056 CaTron di Roncade, Italy ²Dipartimento di Protezione delle Piante e Microbiologia Applicata, Università degli Studi and Istituto di Virologia Vegetale, Sezione di Bari, Via Amendola 165/A, 70126 Bari, Italy ³Instituto de Biología Molecular y Celular de Plantas, Consejo Superior de Investigaciones Científicas-UPV, CPI 8E, C/ Ingeniero Fausto Elio s/n, 46022 València, Spain ⁴Certis Europe, Via A. Guaragna 3, 21047 Saronno (VA), Italy</p>
<p>ORAL SESSION VII</p>	
<p>Plum Pox Virus Chair: M. Barba & M. Cambra</p>	
11:15 – 11:30	<p>Pathogen-derived technologies for improving Plum pox virus resistance of transgenic plum (<i>Prunus domestica</i> L.) Mikhailov Roman¹, Serova Tatyana², Shulga Olga³, Firsov Alexey⁴, Dolgov Sergey⁴ ¹Branch of Shemyakin Institute of Bioorganic Chemistry RAS, Pushchino, Russia ²Branch of Shemyakin Institute of Bioorganic Chemistry RAS, Pushchino, Russia; Pushchino State University, Pushchino, Russia ³Institute of Agriculture Biotechnology RAAS, Timiryazevskaya, 42, Moscow, Russia ⁴Branch of Shemyakin Institute of Bioorganic Chemistry RAS, Pushchino, Russia; Institute of Agriculture Biotechnology RAAS, Timiryazevskaya, 42, Moscow, Russia</p>

11:30 – 11:45	<p>The hairpin structure of the Plum pox virus coat protein gene in HoneySweet C5 plum is responsible for PPV resistance Ralph Scorza¹, Laura Georgi², Ann Callahan¹, Cesar Petri¹, Jean-Michel Hily¹, Chris Dardick¹, Vern Damsteegt³, Michel Ravelonandro⁴ ¹USDA-ARS-Appalachian Fruit Research Station, Kearneysville, WV USA ²Clemson University, Clemson, SC USA ³USDA-ARS-FDWSRU, Ft. Detrick, Maryland USA ⁴UMR GDPP INRA-Bordeaux, France</p>
11:45 – 12:00	<p>The hypersensitivity resistance of European plum to plum pox virus and its potential impact on the epidemiology of the virus Neumüller, Michael¹, Hartmann, Walter², Treutter, Dieter¹ ¹Technische Universität München, Fachgebiet Obstbau, Dürmast 2, 85354 Freising, nm@wzw.tum.de ²Universität Hohenheim, Fachgebiet Obstbau</p>
12:00 – 12:15	<p>Transient expression as a method to evaluate effectiveness of SCFV fragments to interfere with plum pox virus infection Gil, Maite, Esteban, Olga, García, Juan Antonio IVIA, Moncada, Valencia, Spain</p>
12:15 – 12:30	<p>Natural deletion is not unique in the coat protein (CP) of recombinant Plum pox virus (PPV) isolates in Hungary Szathmáry, Erzsébet, Palkovics, László Corvinus University of Budapest, Faculty of Horticultural Science, Department of Plant Pathology. H-1118, Budapest, Ménesi Road 44, Hungary</p>
12:30 – 13:30	<p><i>Lunch</i></p>
13:30 – 13:45	<p>Symptomatic and real-time PCR scoring of Plum pox virus resistance in two apricot (<i>Prunus armeniaca</i> L.) segregating populations Vera-Ruiz, Elsa María¹, Soriano, José Miguel², Martínez-Calvo, José¹, Llácer, Gerardo¹, Badenes María Luisa¹, Romero, Carlos³ ¹IVIA, Apartado Oficial, 46113 Moncada (Valencia), Spain ²Wageningen UR Plant Breeding, Wageningen University, P.O. Box 16, 6700 AA Wageningen, The Netherlands ³Unidad Fundación Agroalimed-IVIA, Apartado Oficial, 46113 Moncada (Valencia), Spain</p>
13:45 – 14:00	<p>Serological and molecular screening of Plum pox virus in the F1 and F2 romanian apricot genotypes Ion Ligia¹, Hoza Dorel¹, Isac Maria², Preda Silvia Ana², Topor Elena³, Neagu Tudora¹, Moale Cristina¹, Poenaru Silvia², Nicolae Constantin¹ ¹USAMV Bucuresti ²Fruit Growing Research & Extension Station Valcea ³Fruit Growing Research & Extension Station Constanta</p>
14:00 – 14:15	<p>Tracking Plum pox virus in Chile throughout the year by three different methods and molecular characterization of Chilean isolates Fiore Nicola¹, Araya Carolina², Zamorano Alan¹, González Flor¹, Mora Roxana², Sánchez-Navarro Jesús³, Pallás Vicente³, Rosales Inés Marlene² ¹Fundación Facultad de Ciencias Agronómicas de la Universidad de Chile. Av. Santa Rosa 11315, La Pintana, Santiago, Chile. ²Unidad de Biotecnología, Instituto de Investigaciones Agropecuarias (INIA), Santiago, Chile. Av. Santa Rosa 11610, La Pintana, Santiago, Chile. ³Instituto de Biología Molecular y Celular de Plantas, CSIC-UPV, CPI 8E, C/Ingeniero Fausto Elio s/n, 46022 Valencia, España.</p>

ORAL SESSION VIII

Phytoplasmas I

Chair: C. Caglayan & C. Marcone

14:15 – 14:30

First insights into the genomes of the rich equipped *Acholeplasma* species highlight the genome condensation of the related phytoplasmas

Migdoll, Alexander M.1, Seemüller, Erich², Reinhardt, Richard¹, Kube, Michael¹

¹MPI for Molecular Genetics, Ihnestr. 63-73, 14195 Berlin

²JKI, Schwabenheimer Straße 101, 69221 Dossenheim

14:30 – 14:45

Identification of host genes potentially implicated in the *Malus pumila* and *Candidatus Phytoplasma mali* interactions

Aldaghi Majid¹, Massart Sebastien¹, Bertaccini Assunta², Jijakli M. Haissam¹, Lepoivre Philippe¹

¹Plant Pathology Unit, Gembloux Agricultural University (FUSAGx), 13 Avenue Marechal Juin, 5030 Gembloux, Belgium

²Department of Agro-environmental Science and technology, Plant Pathology, Alma Mater Studiorum, University of Bologna, Bologna, Italy

14:45 – 15:00

In vitro screening of interspecific hybrids (*Malus* spp.) for resistance to apple proliferation

Bisognin Claudia¹, Ciccotti Anna Maria¹, Salvadori Antonella¹, Jarausch Wolfgang², Grando Stella¹

¹Fondazione Edmund Mach, IASMA Research Centre - Via Mach 1, 38010 San Michele

²Institute for Plant Research, RLP AgroScience, Breitenweg 71, 65435 Neustadt/W.

15:00 – 15:15

Experimental transmission trials by *Cacopsylla pyri*, collected from pear decline infected orchards in Turkey

Caglayan, Kadriye, Gazel, Mona, Ulubas Serce, Cigdem, Can, Feza Mustafa Kemal University, Plant Protection Department, Hatay, Turkey

15:15 – 15:30

Analysis of the acquisition and multiplication efficiency of different strains of *Ca. Phytoplasma mali* by the vector *Cacopsylla picta*

Barbara Jarausch, Annette Fuchs, Gabi Krczal, Wolfgang Jarausch
AlPlanta-IPR, RLP AgroScience, Breitenweg 71, D-67435 Neustadt

15:30 – 16:00

Break

16:00 – 18:30

POSTER SESSION

Optional: Dinner in a typical Neustadt Restaurant with Jazz Music

10. July 2009	Friday
8:30 – 9:15	Business Meeting and Round Table Discussion
	<p style="text-align: center;">ORAL SESSION IX</p> <p>Phytoplasmas II Chair: A. Bertaccini & W. Jarausch</p>
9:15 – 9:30	<p>Strain differentiation of <i>Candidatus Phytoplasma mali</i> by SSCP- and sequence analyses of the HFLB gene Schneider, Bernd¹, Seemueller, Erich¹, Jarausch, Wolfgang² ¹Julius Kühn Institute (JKI), Federal Research Centre for Cultivated Plants, Institute for Plant Protection in Fruit Crops and Viticulture, Schwabenheimer Str. 101, 69221 Dossenheim, Germany ²AIPlanta - Institute for Plant Research, RLP AgroScience GmbH, Breitenweg 71, 67435 Neustadt/W, Germany</p>
9:30 – 9:45	<p>Molecular characterization of <i>Candidatus Phytoplasma mali</i> strains in outbreaks of apple proliferation in north eastern Italy, Hungary, and Serbia Paltrinieri Samanta¹, Duduk Bojan¹, Dal Molin Federica², Mori Nicola³, Comerlati Giovanni², Bertaccini Assunta⁴ ¹DiSTA, Plant Pathology, viale Fanin, 42 - 40127 Bologna, Italy ²Servizio Fitosanitario Regione Veneto, viale dell'Agricoltura 1/A, Buttapietra, 37060, Verona, Italy ³Dipartimento di Agronomia Ambientale e Produzioni Vegetali, Legnaro, Padova ⁴iSTA, Plant Pathology, viale Fanin, 42 - 40127 Bologna, Italy</p>
9:45 – 10:00	<p>Breeding of rootstocks resistant to apple proliferation disease Erich Seemüller¹, Claudia Bisognin², Stella Grando², Bernd Schneider¹, Riccardo Velasco², Wolfgang Jarausch³ ¹Julius Kühn Institute, Federal Research Centre for Cultivated Plants, Institute for Plant Protection in Fruit Crops and Viticulture, D-69221 Dossenheim, Germany ²Fondazione Edmund Mach, IASMA Research Centre - Via Mach 1, I-38010 San Michele ³RLP AgroScience, AIPlanta-IPR, Breitenweg 71, D-67435 Neustadt</p>
10:00 – 10:30	<i>Break</i>
10:30 – 10:45	<p>Influence of apple stem grooving virus on <i>Malus sieboldii</i>-derived apple proliferation resistant rootstocks Annerie Liebenberg, Thierry Wetzels, Alexander Kappis, Michelle Herdemertens, Gabriele Krczal, Wolfgang Jarausch AIPlanta-IPR, RLP AgroScience, Breitenweg 71, D-67435 Neustadt</p>

10:45 – 11:00	<p>Identification of host plants for <i>Candidatus Phytoplasma prunorum</i> and of his vector <i>Cacopsylla pruni</i> in Spain Sabate, J., Laviña, A. and Batlle, A*. IRTA, Ctra de Cabrils s/n 08348 Barcelona, Spain</p>
11:00 – 11:15	<p>Infection rates of natural psyllid populations with <i>Candidatus 'Phytoplasma mali'</i> in South Tyrol (northern Italy) Baric, Sanja, Oetl, Sabine, Dalla Via, Josef Research Centre for Agriculture and Forestry Laimburg, I-39040 Auer/Ora (BZ), Italy</p>
11:15 – 11:30	<p>Comparison of European stone fruit yellows phytoplasma strains differing in virulence by multi-gene sequence analyses Marcone Carmine¹, Schneider Bernd², Seemüller Erich² ¹Dipartimento di Scienze Farmaceutiche, Università degli Studi di Salerno, Via Ponte Don Melillo, I-84084 Fisciano (Salerno), Italy ²Julius Kühn Institute (JKI), Federal Research Centre for Cultivated Plants, Institute for Plant Protection in Fruit Crops and Viticulture, D-69221 Dossenheim, Germany</p>
11:30 – 11:45	<p>Hypo and hyper-virulence in apricot trees infected by European stone fruit yellows Paolo Ermacora¹, Nazia Ioi¹, Francesca Ferrini¹, Alberto Loschi¹, Marta Martini¹, Ruggero Osler¹, Luigi Carraro¹ ¹Via delle Scienze 208 Udine, Italy</p>
11:45 – 12:00	<p>Evaluation and close of the Conference</p> <p><i>Take away lunch</i></p>